Benthic Category	Hantu West	Kusu	Lazarus East 1	Lazarus North 1	Lazarus North 2	Lazarus North 3
Dead Coral with Algae (DCA)	12.668	2.992	0.881	0.818	0.860	0.628
Hard Coral (HC)	37.137	21.288	12.628	17.654	13.020	13.924
Sponge (SP)	3.884	4.512	11.417	17.603	9.320	27.187
Macroalgae (MA)	1.756	19.383	37.078	2.118	7.385	5.782
Turf Algae (TA)	0.475	10.863	0	2.291	8.200	15.010
Rock (RC)	1.527	7.010	0	43.873	32.470	0
Rubble (R)	35.309	20.580	0.661	3.577	2.195	0
Zoanthid (ZO)	0	1.164	0	1.478	0.470	0.831
Others (OT)	0	0.373	0	1.057	0.340	3.706
Soft Coral (SC)	0.463	2.536	8.590	2.896	14.045	5.325
Corallimorph (COM)	0.072	0	0	0	0.110	0.266
Silt (SI)	1.870	4.995	0.441	6.040	11.150	0.325
Anemone (ANE)	0	0.346	0	0	0.370	0
Crustose Coralline Algae (CCA)	0.349	0.099	2.606	0.025	0.065	24.275
Sand (S)	4.491	3.788	16.263	0.472	0	0
Blue Coral (Heliopora; CHL)	0	0.071	0	0	0	0
Wall (WA)	0	0.011	0	0	0	2.742
Dead Coral (recently dead; DC)	0	0	0	0	0	0
Dead Coral Transplant with Algae (DCA')	0	0	1.615	0	0	0
Hard Coral Transplant (HC')	0	0	7.819	0	0	0
Algal Assembly (AA)	0	0	0	0.097	0	0
Benthic Category	Lazarus West 1	Lazarus West 6	Semakau 1	Small Sisters	Sultan Shoal North	
Dead Coral with Algae (DCA)	3.772	0.172	3.962	8.180	1.122	
					1.122 16.157	
Dead Coral with Algae (DCA)	3.772 23.044 15.669	0.172	3.962	8.180	1.122	
Dead Coral with Algae (DCA) Hard Coral (HC)	3.772 23.044	0.172 3.031 5.808 24.014	3.962 21.859	8.180 33.090	1.122 16.157	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP)	3.772 23.044 15.669	0.172 3.031 5.808	3.962 21.859 6.669	8.180 33.090 4.970	1.122 16.157 2.660	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA)	3.772 23.044 15.669 4.636	0.172 3.031 5.808 24.014	3.962 21.859 6.669 4.066	8.180 33.090 4.970 0.100	1.122 16.157 2.660 0.825	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA)	3.772 23.044 15.669 4.636 15.428	0.172 3.031 5.808 24.014 16.675	3.962 21.859 6.669 4.066 3.565	8.180 33.090 4.970 0.100 0.740	1.122 16.157 2.660 0.825 8.178	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC)	3.772 23.044 15.669 4.636 15.428 33.793	0.172 3.031 5.808 24.014 16.675 0	3.962 21.859 6.669 4.066 3.565 5.812	8.180 33.090 4.970 0.100 0.740 8.710	1.122 16.157 2.660 0.825 8.178 47.733	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R)	3.772 23.044 15.669 4.636 15.428 33.793 0.651	0.172 3.031 5.808 24.014 16.675 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756	8.180 33.090 4.970 0.100 0.740 8.710 38.120	1.122 16.157 2.660 0.825 8.178 47.733 13.022	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525	0.172 3.031 5.808 24.014 16.675 0 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300 0	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA) Sand (S)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0 0 0 38.702	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0 0.530 2.120	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA) Sand (S) Blue Coral (Heliopora; CHL)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0.020 0.699 6.143 0 0 38.702 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554 0	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300 0 4.680	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA) Sand (S) Blue Coral (Heliopora; CHL) Wall (WA)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0 0 0 38.702 0 4.734	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554 0	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0 0.530 2.120	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300 0 4.680	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA) Sand (S) Blue Coral (Heliopora; CHL) Wall (WA) Dead Coral (recently dead; DC)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0.020 0.699 6.143 0 0 38.702 0	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554 0 0.209 0 0 0.638	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0 0.530 2.120	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300 0 4.680	
Dead Coral with Algae (DCA) Hard Coral (HC) Sponge (SP) Macroalgae (MA) Turf Algae (TA) Rock (RC) Rubble (R) Zoanthid (ZO) Others (OT) Soft Coral (SC) Corallimorph (COM) Silt (SI) Anemone (ANE) Crustose Coralline Algae (CCA) Sand (S) Blue Coral (Heliopora; CHL) Wall (WA)	3.772 23.044 15.669 4.636 15.428 33.793 0.651 0.525 1.361 0.191 0.306 0.312	0.172 3.031 5.808 24.014 16.675 0 0 0.020 0.699 6.143 0 0 0 38.702 0 4.734	3.962 21.859 6.669 4.066 3.565 5.812 1.756 40.038 0.240 9.147 0.115 1.369 0.554 0	8.180 33.090 4.970 0.100 0.740 8.710 38.120 0.240 0.650 0.750 1.200 0 0 0.530 2.120	1.122 16.157 2.660 0.825 8.178 47.733 13.022 1.188 0.389 1.142 0.449 1.155 1.300 0 4.680	